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ABSTRACT

This directory is a guide to schools with microcomputer programs. The selection of programs to be listed was accomplished by telephoning every ESEA Title IV-C director in the country to identify current or on-going IV-C projects in his/her state. If there were no existing IV-C efforts, minigrants for micros or Title IV-B activities were included. Lacking the availability of Title IV information, Title I offices were contacted. Educational practitioners also contributed information about interesting applications. Finally, computerized searches were conducted to locate recent information on specific programs. The preponderance of programs described are from elementary secondary sites; they range from individual classrooms to system or state-wide efforts. However, attention is also directed to alternative learning sites such as hospitals, prisons, and museums. (Author/LLS)

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MICROCOMPUTER DIRECTORY:

APPLICATIONS IN EDUCATIONAL SETTINGS

Compiled by staff of the Monroe C. Gutman Library
Harvard University Graduate School of Education

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Anne M. Johnsen

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

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FORWORD

In the Fall of 1980, the Monroe C. Gutman Library of the Harvard Graduate School of Education hosted its second annual Microcomputers in Education Conference. The conference focused on applications and materials in educational settings, software development, and alternate learning sites--the museum, library and learning park.

Educators and commercial producers shared their ideas and their problems and spoke to the dual realities of institutional and fiscal constraints. The interchange of information about programs throughout the country proved to be among the most successful elements of a multi-faceted program. Dreams, romantic notions, and blue sky, futuristic visions are not enough. Teachers and administrators are demanding factual information, pragmatic realities, and assistance in specific applications or programs.

Staff members at the Gutman Library who participated in the development of the conference recognized that a guide to schools with microcomputer programs would be of immense value in sharing experiences and information, both for those who were just beginning as well as those with programs in place. Each ESEA Title IV-C director across the United States was contacted to tap newly funded efforts. If a state had no current Title IV-C funding in the area we included mini-grants and/or Title IV-B activities. When there was no Title IV information, the Title I office was contacted. Conference participants, programs cited in recent journal articles, and educational practitioners also provided information about interesting applications. A few states had an office of Computer Instruction, another source of site descriptions. When possible, each person responsible for a program was

contacted directly. Without exception, he or she was enthusiastic and eager to describe both process and program. This method of inquiry accounts for disproportionate numbers of programs listed in certain states, as the volume of activity in small grant programs is exceedingly high.

The types of programs included vary widely and range from individual to state-wide efforts. The state of Minnesota, through its establishment of MECC (Minnesota Educational Computing Consortium), has made a strong, well-organized and financed commitment to computers in education for a number of years. In every program area this state has demonstrated interest and applications experimentation. Other states and communities have more recently made major purchases and embarked upon comprehensive programs. Still others are experimenting with small, highly individualized applications. The creativity and imagination of teachers, specialists, and administrators is evident throughout the country.

As the staff pursued its investigations, the scope of this directory was expanded from its original intent to include not only traditional educational settings, but also a sampling of alternative learning environments. In each case this new setting provided another insight into learning and teaching.

To our knowledge, this directory is the only attempt to compile the state-of-the-art on a nationwide basis. It is intended to be representative rather than definitive and to serve as a basis for communication. The staff extends their thanks to all those who so graciously gave their time and offered their ideas.

As the Librarian of the Monroe C. Gutman Library, I wish to acknowledge the extraordinary efforts of Anne Johnsen, Head of Reference, Deborah Garson and Linda Breece, Reference Librarians. Their persistence has made this a truly joyous project.

Inabeth Miller
Spring, 1981

ALABAMA

1
PLAINS EDUCATIONAL MEDIA SERVICE
Haley Center 3402
Auburn University
Auburn, AL 36849
Dan Wright
205-826-4422

All media materials (65,000) are cataloged with word processing equipment and distributed to 10 school systems (in 6 counties and 4 cities). Two university courses are given on micros (computer literacy, teaching writing) and on testing/grading via word processor. This facility is an AB Dick Developmental Center.

ALASKA

2
ALASKA KNOWLEDGE BASE
ETA Project
Dept. of Education, Pouch F
Juneau, AK 99811
Bill Bramble
907-465-2887

A database containing abstracts and information about Alaskan resource people, service agencies, curriculum materials, school programs and local or commercial educational products.

3
COURSES BY COMPUTER
ETA Project
Dept. of Education, Pouch F
Juneau, AK 99811
Bill Bramble
907-465-2887

Ninth grade Alaskan history and English courses combining text, audio-cassettes and computers used for drill and practice, simulation, testing and classroom management.

4
ELECTRONIC MAIL SYSTEM
ETA Project
Dept. of Education, Pouch F
Juneau, AK 99811
Bill Bramble
907-465-2887

A statewide communications system for speedy delivery of messages to remote areas.

ARIZONA

5
MICROCOMPUTER INSTRUCTION IN MATH FOR LEARNING DISABLED STUDENTS
Sunrise School
17624 North 31st Avenue
Phoenix, AZ 85023
Marley Watkins
602-995-6600

Ninety learning disabled elementary students receive computer aided instruction (45 in math, 45 in spelling) using commercial programs.

ARIZONA (cont.)

6
PRESCOTT COMPUTER LITERACY PROJECT
Prescott Unified School District
PO Box 1231
Prescott, AZ 86302
Henry Dahlberg
602-445-5400

One thousand and seven hundred students (grades 4-12) and 80 teachers have been exposed to a micro-literacy program. Additionally, the computers are used for computer science, learning disabled classroom management and a special 3 session course for parents.

ARKANSAS

7
COMPUTER LITERACY
Alma High School
PO Box 329
Alma, AR 72921
Dave Wooly
501-632-2161

This is an exploratory computer literacy course for all 9th grade students that includes the use of computer languages, the history of computers, types of hardware and the effects of computers on our lives.

8
COMPUTERS IN BUSINESS EDUCATION
Park View High School
2501 Barrow Road
Little Rock, AR 72204
Sandy McDonald
501-225-6440

A mini-computer program to teach office skills.

CALIFORNIA

9
COMPUTER ASSISTED INSTRUCTION
California Youth Authority
Fred C. Nelles School
11850 East Whittier Boulevard
Whittier, CA 90601
Mary Dowling
213-698-6781

A reading and math program to aid students on parole in achieving some degree of literacy and changing the "Locus of Control".

CALIFORNIA (cont.)

10
COMPUTER ASSISTED INSTRUCTION FOR LIMITED ENGLISH SPEAKING DEAF HANDICAPPED STUDENTS
San Juan Unified School District
3738 Walnut Avenue
Carmichael, CA 95608
Ted Perry
916-484-2351

A microcomputer program used in the instruction of K-12 handicapped students. Another program component emphasizes the development of compatible software, particularly graphic displays.

11
COMPUTER TUTORS
Palo Alto Unified School District
25 Churchill Avenue
Palo Alto, CA 94306
John Martin
415-855-8035

This program employs peers to teach programming skills. Emphasis is directed at opening up new career opportunities, particularly for women and minorities.

12
LANGUAGE DEVELOPMENT IN DEAF CHILDREN USING INTERACTIVE VIDEODISC
California School for Deaf - Riverside
3044 Horace Street
Riverside, CA 92506
Robert K. Lennon
714-683-8140

Microcomputer and videodisc interface in the teaching of the deaf and hearing impaired. A commercial language development curriculum has been adapted to meet program objectives.

13
LAWRENCE HALL OF SCIENCE - UNIVERSITY OF CALIFORNIA
Lawrence Hall of Science
Berkeley, CA 94720
Robert Knott
415-642-4193

The Lawrence Hall of Science is a facility dedicated to science education. Seventy-five microcomputers are installed in schools and at Lawrence Hall. In addition to various activities on microcomputers there are a total of twelve different tuition-based courses offered to the public. A traveling van brings programs to school settings.

14
MICRO READY--MAKING INSTRUCTIONAL COMPUTERS REALIZE OPTIMUM RESULTS FOR EDUCATIONALLY DISADVANTAGED YOUTH
Sacramento City Unified School District
1619 N Street
Sacramento, CA 95814
Barry B. Cole
916-484-8787

Development of microcomputer programming for remedial programs in mathematics and language arts for disadvantaged students (grades 4-6). There is a corollary development of hardware peripherals.

CALIFORNIA (cont.)

15
MICROCOMPUTER MATH INSTRUCTION
San Diego Unified School District
4100 Normal Street
San Diego, CA 92103
Francis X. King
714-293-8329

Mathematics competency is diagnosed and individual CAI programs are prescribed in the school's learning center. Written performance objectives for grades K-8 are employed.

16
NON-ORAL COMMUNICATION CENTER
Exemplary Incentive Dissemination
Title IV-C
ESEA
Plavan School
9675 Warner Avenue
Fountain Valley, CA 92708
Judy Montgomery
714-964-2014

A project designed to connect aurally handicapped children with the appropriate assistive communication systems. The project provides for individual assessment and design of an appropriate educational plan for each of the participants.

17
PETS--PROGRAMMING EFFECTIVENESS THROUGH SCIENCE
Marysville Joint Unified School District
1919 B Street
Marysville, CA 95901
Ted Amato
916-742-5501

This is an 8th and 9th grade program bridging math, science and computer technology which includes the development of 9 activity packages.

18
SOFT SWAP
San Mateo Office of Education
333 Main Street
Redwood City, CA 94063
Ann Lathrop
415-364-5600, ext. 4401

The San Mateo Office of Education has developed a working microcomputer software exchange.

19
TELEMATH
Green School - San Diego City Schools
7030 Wandermere Avenue
San Diego, CA 92119
H.P. "Bud" Sanders
714-460-8110

A video-graph microcomputer mathematics program (grades 3-8) in 6 elementary schools and 1 junior high. The program includes diagnosis, drill and practice and specially designed equipment and activities.

CALIFORNIA (cont.)

20
XEROX PALO ALTO RESEARCH CENTER
Xerox Palo Alto Research Center
3333 Coyote Hill Road
Palo Alto, CA 94304
Adele Goldberg/Thomas W. Malone
415-494-4385

The Research Center is involved in the educational uses of microcomputers. A programming system called Smalltalk-80 is used in kits such as an algebra word problem kit and a simulation kit. Computer games as a component in designing educational environments is another area of research at the Center.

COLORADO

21
COMPUTER APPLICATIONS FOR A RURAL HIGH SCHOOL
West Grand High School
PO Box 515
Kremmling, CO 80459
Duane Scholl
303-724-3425

One hundred and fifty high school students are involved in computer programs--including art, music, English, computer literacy, and drill and practice. Special courses for parents have been introduced.

22
COMPUTER BASED LIBRARY CATALOG
Mountain View Elementary School
12401 North Perry Street
Broomfield, CO 80020
Betty Costa
303-466-1791

Online "card" catalog of entire library print and non-print collection, for K-6 school; used by 2nd-6th graders. An Apple II is linked to district-wide OCLC cataloging system, and an online circulation system is being developed.

23
COMPUTER CHOICE
Cache La Poudre Elementary School
Highway 287
LaPorte, CO 80535
Helen Hanselmann/Erwin Osborn
303-482-6266

This program uses computer technology to teach about the decision making process in history and geography classes. An array of unique, repeated historical simulations have been designed for the study of choices and outcomes.

COLORADO (cont.)

24
ELEMENTARY MATHEMATICS/MICROCOMPUTER/
CAREER EDUCATION
Cherry Drive Elementary School
11500 Cherry Drive
Thornton, CO 80233
Joy Van Meter
303-451-0212

This multi-purpose program promotes awareness of computer uses, social implications of technology and career possibilities. It is also used to improve elementary mathematics skills and to develop student ability in programming.

25
IRVING COMPUTERIZED EDUCATION PROCESS
Irving Junior High School
1702 N Murray Boulevard
Colorado Springs, CO 80915
Charles Mielke
303-635 6450

Use of a combined CMI and CAI process as vehicles for junior high student skill development and information access.

26
SAN JUAN BOARD OF COOPERATIVE SERVICES
San Juan Board of Cooperative Services
Miller Student Center
Fort Lewis College
Durango, CO 81301
R.W. Bill Browne
302-247-3261

A program using Bloom's taxonomy is matched to curriculum objectives and coordinated with learning resources for a network of local schools.

CONNECTICUT

27
CAI MODEL PROGRAM
Cloonan Middle School
11 West North Street
Stamford, CT 06902
Richard Kurtzman
203-358-4544

An effort targeted at increasing computer literacy for all 7th and 8th grade students as well as teachers.

28
CAI REMEDIATION PROGRAM
Board of Education
129 Church Street
Bristol, CT 06010
Richard Nolan
203-584-7710

Remediation of basic skills deficiencies in grade 9.

CONNECTICUT (cont.)

29
COMPUTER BASED LIBRARY CIRCULATION SYSTEM
The Loomis Chaffee School
Windsor, CT 06095
Rita Adams
203-688-4934

A computerized circulation system recently installed as a test site in a secondary school. All new acquisitions are entered as well as older titles as they are returned to the library. A year-end inventory program is planned. Author, title and up to six subjects are retrievable online.

30
CUES--COMPUTERS UTILIZED IN ELEMENTARY SCHOOLS
Orange Board of Education
605 Orange Center Road
Orange, CT 06477
Lewis Picone
203-795-4731

A computer literacy program for 5th and 6th grade students and teachers. Includes a student mathematics component.

31
MANCHESTER HIGH SCHOOL
Manchester High School
134 E Middle Turnpike
Manchester, CT 06040
Blaine Miller
203-647-3521

An evolving model in microcomputer use which is currently focused on elective programming courses (beginning and advanced) as well as on a basic skills effort directed at composition and letter writing. Business education classes use word processing equipment which runs off micros.

32
NATIONAL COMPUTER CAMP
National Computer Camp
382 Hitching Post Drive
Orange, CT 06477
Michael Zabinski
203-795-9089

A tuition-based summer program which entails a day camp program (Orange, CT) and an overnight program (Moodus, CT). Students, ages 10-18, from across the country participate in the program, the focus of which is directed at educational as well as recreational computing.

33
STUDY SKILLS COMPUTER ASSISTED PROJECT
Andrew Warde High School
Melville Avenue
Fairfield, CT 06430
Robert Genualdi
203-255-8449

A program to reinforce study skills taught in the classroom in grades 9-12. This is one element of a larger microcomputer effort which entails a content reading program as well as an array of programming courses.

DELAWARE

34
COMPUTER ASSISTED INSTRUCTION
Smyrna School District
22 S Main Street
Smyrna, DE 19977
Larry Koppenhaven
302-653-8585

Eight terminals are used continuously in a variety of subject areas for 280 middle school children, including all handicapped and Title I students in the district. Additional CAI/CMI efforts as well as programming skills are directed toward some 2,8000 children K-12.

35
PROJECT DIRECT
Project Direct
PO Box 3551
Greenville, DE 19807
Carl Hauger/Colleen Wozniak
302-655-3544

A statewide computer consortium with terminals in every district tracks each child's progress in a variety of subjects and programs. Various instructional applications involve all schools, a prison, a school for boys, a state hospital and a psychiatric hospital for children.

36
TOWER HILL SCHOOL
Tower Hill School
2813 W 17th Street
Wilmington, DE 19806
Nancy Minnich
302-575-0550

Students (grades 5-8) learn computer literacy and programming in an effort supervised by the library. Topical bibliographies in heavily used areas are computer retrievable.

FLORIDA

37
BASIC--BUILDING ASSESSMENT SKILLS INVOLVING COMPUTERS
Brevard County School Board
1260 S Florida Avenue
Rockledge, FL 32995
Violet C. Weiss
305-631-1911, ext. 548

A computer laboratory approach to free the teacher for personalized instruction in mathematics with 120 8th grade students.

38
FLORIDA EDUCATIONAL COMPUTING PROJECT
Florida Department of Education
109 Knott Building
Tallahassee, FL 32301
Dave Brittain
904-488-0980

A state-wide project in which FECP staff members serve as computing consultants to educators in Florida public schools, community colleges, and state universities.

FLORIDA (cont.)

39
MICROCOMPUTER MATHEMATICS PROGRAM
Highlands County School Board
426 School Street
Sebring, FL 33807
James Taveniere
813-385-6176

Ninth and tenth grade students are involved in developing a mathematics drill and practice program.

40
THINKOLOGY AND COMPUTERONICS
Gifted Child Project
4115 Canal Street
Tallahassee, FL 32301
Pristen Bird
904-487-1520

Sixth and seventh grade gifted children are challenged to develop thinking and problem solving skills in a planned in-depth curriculum.

41
WORD PROBLEM SOLVING USING MICROCOMPUTERS
Florida A&M University
Laboratory School Box A-19
Tallahassee, FL 32307
Mila Ignatz
904-599-3152

One hundred eighty-three high school students (grades 9-12) are given practice in analyzing, abstracting elements and identifying relationships in the process of finding solutions to mathematical problems.

GEORGIA

42
COMPUTER LITERACY
Coweta County School System
PO Box 280
Newman, GA 30263
Donald Teel
404-253-3530

Two 9-12 high schools are initiating a broad based computer literacy program in vocational education, business education and mathematics.

43
MICROCOMPUTER EXPLORATION
DeKalb County School System
3770 N Decatur Road
Decatur, GA 30030
Harold Dennis
404-296-2000, ext. 271

An exploratory program for grades 6 and 7 in 80 elementary school media centers which follows 50 hours of training for media specialists. The system also schedules and distributes 4,000 non-print materials to 80,000 students via a computerized program.

44
PAIDEIA SCHOOL
Paideia School
1509 Ponce de Leon Avenue
Atlanta, GA 30307
Paul Hayward
404-377-3491

A K-12 private school which has developed software programs with applications in science, mathematics, spelling and health. Additional uses of programs developed on-site are administrative in nature, e.g., flexible mailing lists, file handling and scheduling.

IDAHO

45
MATH INSTRUCTION FOR BASIC SKILLS
Moscow Public School District No. 281
410 East Third Street
Moscow, ID 83843
Dale B. Golis
208-882-0228

A program for handicapped and high-risk students in grades 4-6. Each project child uses a microcomputer to strengthen basic math skills.

46
MONROE ELEMENTARY SCHOOL
Monroe Elementary School
3615 Cassia
Boise, ID 83705
Donn McGinnis
208-345-8335

This project includes programming for 5th and 6th grades and individualized activities for special education and gifted/talented students.

47
MOSCOW PUBLIC SCHOOL DISTRICT NO. 281
Moscow Public School District No. 281
PO Box 8459
Moscow, ID 83843
Lois Samuelson
208-882-1120

Eleven TRS-80s are dedicated to IEP, inventory, elementary school mathematics, distributive education and high school gifted/talented students.

48
SCHOOL DISTRICT NO. 271
School District No. 271
311 N 10th Street
Coeur d'Alene, ID 83814
W.L. Powers
208-664-8241

District No. 271 is developing and programming a series of 40 telemath programs for elementary and secondary school students.

49
TEAMS--TABLES FOR EXPERIENCE ACTIVITIES IN MATH SKILLS
Richfield Elementary School
Box E
Richfield, ID 83349
Sandra Calkins
208-487-2790

Mobile lab tables which include microcomputers are used in grades K-6 for improvement and enrichment of math skills.

ILLINOIS

50
COMPUTER-ORIENTED MATHEMATICS AND PHYSICAL SCIENCE
Springfield High School
101 South Lewis Street
Springfield, IL 62704
John Hill
217-525-3289

High ability secondary school students (grades 11 and 12) use microcomputers for programming and individualized programs in science and mathematics.

ILLINOIS (cont.)

51
IDEAS--IDENTIFICATION AND DEVELOPMENT OF EDUCATIONAL APPLICATION SOFTWARE
Glen Ellyn School District No. 41
739 N Main Street
Glen Ellyn, IL 60137
Eileen Hartman
312-858-4100

Evaluation and development of microcomputer programs for K-12 instructional use.

52
MICROCOMPUTER ASSISTANCE FOR SPECIAL STUDENTS
Community Unit School District No. 1
410 W Polk Street
Charleston, IL 61920
William E. Hill
217-345-2106

Computer drills, tutorials and IEPs are used to develop basic skills for special education students.

53
PROJECT MICRO
Glen Ellyn School District No. 41
739 N Main Street
Glen Ellyn, IL 60137
Eileen Hartman
312-858-4100

Planning project to develop a model for researching the effectiveness of microcomputer instruction (grades 4-8)

INDIANA

54
CHESTER BAKER MIDDLE SCHOOL
Chester Baker Middle School
Franklin, IN 46131
Jerry Hasch
317-736-6331

Development of programming skills for gifted and talented 8th grade students.

55
CUMBERLAND ELEMENTARY SCHOOL PROJECT
Cumberland Elementary School
West Lafayette, IN 47906
Bob Foerster
317-463-2521

A project to teach problem solving skills and computer applications to 5th and 6th grade gifted students.

56
LIVING AND LEARNING WITH COMPUTERS
Clinton Prairie Junior High School
Frankfort, IN 46041
Nancy Miller
317-659-3305

A 9 week computer literacy course for 7th grade students.

INDIANA (cont.)

57
PENN-HARRIS-MADISON SCHOOLS
Penn-Harris-Madison Schools
PO Box 302
Osceola, IN 46561
Richard Hardt
219-259-7941

Developing computer software for elementary instruction in all disciplines in PILOT; computer literacy in middle schools, and programming in high school.

58
PIONEER HIGH SCHOOL
Pioneer High School
Royal Center, IN 46978
Ramona Key
219-643-3145

This program promotes computer literacy by allowing high school students unlimited and unrestricted access to a microcomputer located in the school's media center.

59
SELF CENTER
SELF Center
Valparaiso, IN 46383
Fred McNulty
219-464-9607

Uses TRS-80s as part of an instructional package for multiply-handicapped children.

60
WEBB ELEMENTARY SCHOOL
Webb Elementary School
1400 Webb Court
Franklin, IN 46131
Max Fitzpatrick
317-736-8225

Programs in reading, mathematics, science and language skills (K-5) which have been teacher prepared.

61
WILSON EDUCATION CENTER
Wilson Education Center
821 Wall Street
Jeffersonville, IN 47130
Ken Potts
812-282-8491

Training of staff from grades 6-9 to program microcomputers.

KANSAS

62
CONCORDIA HIGH SCHOOL
Concordia High School
Concordia, KS 66901
Larry Nelson
913-243-2452

Operated through a secondary school media center, this program focuses on library and classroom management, career education and programming.

KANSAS (cont.)

63
LAKIN JUNIOR HIGH SCHOOL
Lakin Junior High School
Lakin, KS 67860
Dennis Brown
316-355-6191

Programming classes with a project assignment as well as tutorial and job skill training for junior and senior high school students and adults.

64
OBERLIN HIGH SCHOOL
Oberlin High School
Oberlin, KS 67749
David Brown
913-475-2231

Science department trains students in programming. In turn these students assist elementary and secondary teachers in developing ways to use microcomputers as a classroom supplement.

65
SCHOOL OF EDUCATION, UNIVERSITY OF KANSAS
Scnool of Education
University of Kansas
Lawrence, KS 66044
Dale Scannell
913-864-3726

A computer literacy program for future teachers at the University of Kansas School of Education.

66
UNIFIED SCHOOL DISTRICT 259
USD 259
428 S Broadway
Wichita, KS 67202
John Wolverton
316-268-7831

Use of microcomputers for CAI in all grade levels in a system which combines large computers and microcomputers.

67
UNIFIED SCHOOL DISTRICT 501
USD 501 Math Coordinator
624 West 24th Street
Topeka, KS 66611
Dick Driver
913-296-0313

District-wide plan for all grade levels in all subject disciplines, including in-service for teachers. Cooperative uses among schools.

KENTUCKY

68
OLDHAM COUNTY BOARD OF EDUCATION
Oldham County Board of Education
LaGrange, KY 40031
Robert Arvin
502-222-9469

IEP students use microcomputers for remediation in spelling, basic arithmetic, and work in elementary algebra/geometry.

KENTUCKY (cont.)

69
SCIENCE AND MATHEMATICS ENRICHMENT PROGRAM
Scott County Board of Education
Georgetown, KY 40324
Jack Williams
502-863-3663

Science and mathematics enrichment programs for elementary and secondary school students, with an in-service training program for teachers and administrators.

70
STUDENT TRACKING AND SCHOOL/PARENT COMMUNICATION
Barren County Board of Education
202 West Washington Street
Glasgow, KY 42141
B.G. Waldrop
502-651-8785

Student statistical and programatic data are made available through microcomputer programs.

LOUISIANA

71
BELLE CLASSE HIGH SCHOOL
Belle Class High School
215 Belle Classe Highway, 23 North
Belle Classe, LA 70037
Irvin J. Rhodes
504-333-4311

Math, computer science, business, and science course work for high school students and gifted and talented elementary students. Operated and managed by the media center.

72
JEFFERSON PARISH SCHOOL BOARD
Jefferson Parish School Board
519 Huey P. Long Avenue
Gretna, LA 70053
Dave Boudreaux
504-367-3120

Computer literacy and programming for all gifted and talented middle school students; math department elective in senior high school.

73
LAFOURCHE PARISH
Lafourche Parish
PO Box 879
Thibidaux, LA 70301
Melvin Pertuit
504-532-2508

Computer skills and mathematics courses in three high schools.

MAINE

74
LEARNING THROUGH AMATEUR RADIO AND COMPUTERS
Richmond Junior-Senior High School
Richmond, ME 04357
Steve D. Gurin
207-737-4348

Selected students in grades 7-12 learn Morse code through a CAI program, earn FCC novice radio licenses and progress to technician licenses and operation of a radio station via computer control. Additional CAI programs supplement classroom instruction in diverse disciplines.

75
MECOM
Mt. Desert High School
Mt. Desert, ME 04660
C. Howard Johnson
207-288-5011

This location has two facets. The first is internal microcomputer applications ranging from a programming course in BASIC to use of commercial software programs in a wide variety of classroom settings. The second is the construction of a regional model computer science facility encompassing software development, information about software and hardware, design of model curricula, etc.

76
PROJECT SOAR
The Asa Adams School
Orono, ME 04473
Rachelle Carson
207-866-2151

The focus of this computer literacy program is enrichment and motivation for gifted and talented students in grades 4-7. Special attention is directed at programming as well as at the computer as a vehicle for communication.

77
SOUTH PORTLAND HIGH SCHOOL
South Portland High School
637 Highland Avenue
South Portland, ME 04106
Ann Waterhouse
207-767-3266

At the high school level micros are used for problem solving and for instruction in scientific programming. In addition, micros are used for graphics and in music instruction. A summer program has been established for teacher training.

MARYLAND

78
BALTIMORE COUNTY PUBLIC SCHOOLS
Baltimore County Public Schools
6901 North Charles Street
Towson, MD 21204
William Engelmire
301-494-4052

Junior and senior high school students (grades 8-12) work in computer literacy, simulations and games, and programming. In-service training is available for interested teachers (grades 4-6).

MARYLAND(cont.)

79
CARROLL COUNTY PUBLIC SCHOOLS
Carroll County Public Schools
55 North Court Street
Westminster, MD 21157
Larry Houser
301-848-8280

Use of microcomputers in middle schools with gifted and talented students.

80
CHARLES COUNTY PUBLIC SCHOOLS
Charles County Public Schools
Health and Education Building
LaPlata, MD 20646
Elwood Leviner
301-375-8300

Elementary school students are introduced to microcomputers in media centers. Also, the system's 16mm film catalog is computer produced.

81
DEMATHA CATHOLIC HIGH SCHOOL
DeMatha Catholic High School
4313 Madison Street
Hyattsville, MD 20781
Rocco Mennella
301-864-3666

A management program for student information. Students are taught three computer languages (BASIC, FORTRAN, ASSEMBLER).

82
GILMAN SCHOOL
Gilman School
5407 Roland Avenue
Baltimore, MD 21210
Edward Thompson
301-323-3800

Mathematics instruction and programming for all 7th grade students. An elective mathematics programs exists for grades 8-12.

83
HOWARD COUNTY PUBLIC SCHOOLS
Howard County Public Schools
10910 Route 108
Ellicott City, MD 21043
H.T. Walker
310-992-0500

Use of microcomputers in mathematics instruction and for library media program management.

84
MATHEMATICS AND SCIENCE INSTRUCTION
Anne Arundel County Public Schools
2644 Riva Road
Annapolis, MD 21401
Dennis Younger
301-224-0113

System-wide (12 high schools) program for mathematics and science instruction as well as computer programming. Mobile units are assigned for 6-week periods to elementary (grades 5-6) and middle schools (grades 7-9).

MARYLAND (cont.)

85
MICROCOMPUTERS FOR BASIC SKILLS
Allegany County Public Schools
108 Washington Street
Cumberland, MD 21502
Joseph H. Pellerzi
301-759-2000

Mathematics instruction for junior and senior high school students.

86
MONTGOMERY COUNTY PUBLIC SCHOOLS
Montgomery County Public Schools
850 Hungerford Drive
Rockville, MD 20850
Lois Martin
301-279-3300

K-12 computer literacy projects and mathematics reinforcement.

87
QUEEN ANNE'S COUNTY PUBLIC SCHOOLS
Queen Anne's County Public Schools
Box C & D
Centreville, MD 21617
John E. Walker
301-758-2403

Computer-assisted instruction in mathematics, language arts and reading for middle school students and programming for senior high school students.

MASSACHUSETTS

88
BOLT, BERANEK AND NEWMAN
Bolt, Beranek and Newman
50 Moulton Street
Cambridge, MA 02238
Andee Rubin
617-497-3608

As part of the NIE funded "Center for the Study of Reading" this consulting firm is developing language arts programs for the upper elementary grades. Sections devoted to classroom activities include the teaching of reading and writing via microcomputers.

89
BURNELL CAMPUS LAB SCHOOL
Bridgewater State College
Bridgewater, MA 02324
Thalia Taloumis
617-697-8321, ext. 465

Over the current academic year inservice sessions in microcomputers will be provided to teachers. State funding was provided to the lab school for this purpose.

90
CHILDREN'S MUSEUM
Children's Museum
300 Congress Street
Boston, MA 02210
Michael Fitzgerald
617-426-6500

Two computers with 12 terminals are the hardware base for a simulation and games program at this museum. Games are preceded by a conversational introduction to computing.

MASSACHUSETTS (cont.)

91
COMPUTERS IN EDUCATION
Lesley College
29 Everett Street
Cambridge, MA 02138
Nancy Roberts
617-868-9600

A master's program to train classroom teachers and consultants in use of computers in educational settings.

92
DANA HALL SCHOOL
Dana Hall School
21 Dana Road
Wellesley, MA 02181
Hillary McCurdie
617-235-3010, ext. 176

Computer topics are offered to 11th and 12th grade students. Areas covered include beginning and advanced programming in BASIC and the study of computers in society.

93
DONOVAN SCHOOL
Donovan School
Reed Street
Randolph, MA 02368
Al Galante/Grace Mattern
617-963-7800, ext. 58

This is the first year of a microcomputer program for gifted and talented students in grades 2-5. Participants are actively involved in a computer literacy program. Next year this program will be expanded to include all students in grades 2-8.

94
HOPEDALE JUNIOR-SENIOR HIGH SCHOOL
Hopedale Junior-Senior High School
21 Adin Street
Hopedale, MA 01747
Margaret Allen
617-473-3080

Twelfth grade students employ micros to solve business/office related problems. In physics classes students use micros in problem solving and graphics.

95
LEXINGTON PUBLIC SCHOOLS
Lexington Public Schools
1557 Massachusetts Avenue
Lexington, MA 02173
Frank DiGiammarino/Beth Lowd
617-862-7500, ext. 117

A system-wide program with microcomputer installations at grade levels K-12. In elementary schools micros remain in classrooms for two week periods. Junior high schools share micros between classrooms where they are used in developing programming skills, in mathematics instruction and for computer literacy. The high school "Computer Related Math Lab" has a wide array of individualized programs for student use ranging from beginning algebra to independent studies. The Reading Center uses micros in the development of reading skills, spelling and vocabulary.

MASSACHUSETTS (cont.)

96
LIBRARY/MEDIA CENTER PROGRAMS
Lexington Public Schools
Lexington, MA 02173
Martha Angevine
617-862-7500

Book catalogs of film with title Dewey classification and subjects are accessible online. Additionally, all elementary curriculum resources tied to Dewey subject headings as well as the holdings of The Curriculum Resource Center and professional library are online.

97
MADISON PARK HIGH SCHOOL
Madison Park High School
55 New Dudley Street
Roxbury, MA 02119
Robert Pearlman
617-445-2440

Elementary Computer Programming and Computer Programming II are offered to students (grades 10-12) by the Math Department. The former course introduces BASIC; computer literacy, online work and career applications are other focal points of the program. The upper-level course treats advanced programming techniques.

98
MEC/TITLE I COMPUTER-ASSISTED INSTRUCTION PROJECT
Merrimack Education Center
101 Mill Road
Chelmsford, MA 01824
George Hanify
617-256-3985

The MEC/Title I Computer-Assisted Instruction Project is a time-sharing minicomputer based research project involving students in 16 schools in 6 communities. Over 800 students in grades 1-12 have daily instruction in reading and/or mathematics as part of their regular ESEA Title I programs.

99
MINUTEMAN REGIONAL VOCATIONAL TECHNICAL SCHOOL
Minuteman Regional Vocational Technical School
758 Marrett Road
Lexington, MA 02173
Ron Fitzgerald
617-861-6500

Computers are used in math, science and building trades departments, for Distributive Education, store inventory control and for office management and record keeping. School has offered workshops to other vocational schools on uses of microcomputers in vocational education.

MASSACHUSETTS (cont.)

100
MUSEUM OF SCIENCE
Museum of Science
Science Park
Boston, MA 02114
Brent Jackson
617-723-2500, ext. 340

Computers at the Museum of Science are hooked up to specific exhibits. Two of these interactive capabilities focus on energy, one involving a home energy audit and another concerning a random generation of energy questions accompanied by suggestions for resolving energy problems. A second exhibit involves a nutrition analysis. The day's intake is evaluated and recommendations are made for intake needed to achieve a balanced diet for the day. A third exhibit is oriented toward games and simulations and data retrieval.

101
OXFORD HIGH SCHOOL
Oxford High School
Main Street
Oxford, MA 01540
E. Joseph McKeon
617-987-8144

Programming in BASIC is taught at the high school under the aegis of the Mathematics Department. Science classes have the capability to record real-time experiments. Varying computerized strategies permit monitoring and control of temperature, humidity and light in a student maintained greenhouse.

102
THE PARK SCHOOL
The Park School
171 Goddard Avenue
Brookline, MA 02146
Tom Smith
617-277-2456

The Park School, a private school with 9 microcomputers, teaches BASIC programming in grade 7 and provides for informal use of microcomputers in grades 6-9.

103
PROJECT CAPTURE
Uxbridge High School
Capron Street
Uxbridge, MA 01569
Joe Mahoney
617-278-2706

A microcomputer program directed at mathematics for the gifted and talented in grades 9-12, including programming in BASIC. Additional components include writing programs in mathematics as well as applications in music and social studies.

MASSACHUSETTS (cont.)

104
PROJECT LOCAL
Project Local
200 Nahatan Street
Westwood, MA 02090
George Kehoe
617-326-3050

Funded by participating school districts, Project Local provides services to school systems in using computers for instructional purposes. Project Local provides its supporters with many services, several of them are: 1) a toll free number for questions on instructional computing, 2) a cooperative microcomputer purchasing program, 3) access to a microcomputer demonstration center in Westwood High School, 4) cooperative evaluation of computer oriented instructional materials and 5) a newsletter, Local Link, published five times a year.

105
PROJECT LOGIC
Hampshire Educational Collaborative
58 Pleasant Street
North Hampton, MA 01060
Clark Adams
413-586-4590

The thrust of this program is incorporation of microcomputers in the classroom. To date, this has been done in 6 classrooms in 3 schools as well as in 1 special education program. Emphasis in classroom instruction is aimed at basic skills in reading, mathematics, problem-solving and computer literacy.

106
PROJECT LOGO
Lincoln School
194 Boylston
Brookline, MA 02146
Dan Watt
617-547-3890 or 617-253-6269

LOGO is a language developed at MIT and elsewhere which is devoted solely to teaching children to program. The basis of this effort for students in grades 4-8 is that they control and teach the computer. In a highly interactive setting, participants solve problems, do programming and think in a step by step or chain fashion.

107
QUINCY PUBLIC SCHOOLS
Quincy Public Schools
Coddington Street
Quincy, MA 02169
James W. Havens
617-471-0100

The Quincy Public School System has augmented its Computer Supported Instruction (CSI) instructional management program through a microcomputer program. The increased capacity will be used for CAI as well as for simulation activities.

MASSACHUSETTS (cont.)

108
RECREATIONAL COMPUTER PROGRAM
Main Library
414 Center Street
Newton Corner, MA 02158
Virginia Tashjian
617-552-7151

A public library program offered during the summer in which a terminal is linked (by telephone) to a computer at a local college. The patron may make use of programs already mounted or create their own. A self-instruction manual is available.

109
THE RIVERS SCHOOL
The Rivers School
333 Winter Street
Weston, MA 02193
Deborah Petri
617-235-9300

School library uses the microcomputer for circulation, overdue notices, and record keeping. Bibliographies, of heavily used topics in history as well as short story collections are also computer retrievable.

110
WALPOLE PUBLIC SCHOOLS
Walpole High School
Common Street
Walpole, MA 02081
Elly Lind
617-668-5400, ext. 272

Twelve microcomputers are installed in a Mathematics Laboratory for this beginning program. When the number of computers permits integration into programs in math and science, it is anticipated that high school graduates will be computer literate. Currently, Math Lab usage is targeted at business, mathematics and science.

111
WEST ELEMENTARY SCHOOL
West Elementary School
Beacon Street
Andover, MA 01810
Charlotte Lynch
617-470-1700

A program to promote computer literacy and teach BASIC programming to students in grades 4-9.

112
WESTON HIGH SCHOOL
Weston High School
444 Wellesley Street
Weston, MA 02193
Beverly Brown
617-899-0620, ext. 144

A one-semester computer literacy course is available for students in grades 9-12 who have completed Algebra I. The course focuses on programming but also includes the history of computers, career applications, etc. A two-week unit in Algebra I introduces students to computers.

MASSACHUSETTS (cont.)

113
WILLIAM BRADFORD LIBRARY
Quincy High School and Vocational Technical School
Woodward Avenue
Quincy, MA 02169
Arthur Gillis/Mickey Moskowitz
617-471-0100

An automated system in the library which is used for orientation, circulation and overdues. Students also use terminals to complete classroom assignments.

MICHIGAN

114
CENTRAL MIDDLE SCHOOL
Central Middle School
650 Church Street
Plymouth, MI 48170
Bee Green
313-453-8490

This middle school has programs at all levels: several include math and English in two elementary schools; computer literacy and programming in three high schools; student-developed library/media center programs for circulation and overdues.

115
MICHIGAN STATE UNIVERSITY
Michigan State University
Erickson Hall
East Lansing, MI 48824
Normal T. Bell
512-353-7285

Michigan State has an R & D Center to develop both hardware and software for the purpose of enhancing educational applications of technology at all levels (K-post-doctoral). Special attention is devoted to computer literacy and also to the interface between microcomputers and videodiscs.

116
REMC--REGIONAL EDUCATIONAL MEDIA CENTERS
Regional Educational Media Centers
PO Box 30008
Lansing, MI 48909
John W. Porter
517-373-3350

Twenty-one regional centers service all school districts by providing educational media, including microcomputers. A clearinghouse for information on district-produced software, and for training in selection and production of software has been established.

117
TROY SCHOOL DISTRICT
Troy School District
11 Urbancrest
Troy, MI 48084
Cathy Marine
313-689-8780

Special program for the gifted.

MINNESOTA (cont.)

118
ACADEMIC EQUITY FOR RURAL SCHOOLS
Independent School District No. 362
Littlefork, MN 56653
Michael Clay
218-278-4511

This project created a learning center for a rural school. The learning center includes media equipment and microcomputers for computer assisted/managed instruction for high school students.

119
ASSIST--AUTOMATED SPECIAL SERVICES INFORMATION AND STUDENT TRACKING
Hopkins Public Schools
1001 State Highway 7
Hopkins, MN 55343
Loren L. Benson
612-933-9201

This project is a computerized management system which tracks information on services provided to handicapped students in grades K-12.

120
BASICS--BASIC ATTITUDES AND SKILLS IMPERATIVE FOR COMMUNITY SURVIVAL
Mid-State Educational Cooperative
109 NE 2nd Avenue
Little Falls, MN 56345
Marilyn Benson Girtz
612-632-2921, ext. 211

A project which uses computers to help teach K-12 students the basic skills necessary for survival once they graduate from high school.

121
COMPUTER ASSISTED PROBLEM SOLVING SKILL PRACTICE FOR ELEMENTARY STUDENTS
Lincoln Elementary School
903 Center Street
Rochester, MN 55901
Donna Stanger
507-289-3756

A project to create and implement microcomputer programs for problem solving skills for students in grades K-6.

122
COMPUTER-BASED EDUCATIONAL LABORATORY
Computer-Based Educational Laboratory
525 East Avenue
Red Wing, MN 55066
Craig Olson
612-388-7181

A project to establish a computer-based instructional laboratory for students in grades K-12. The laboratory will contain remedial programs, individualized instruction, simulations and drill and practice.

123
COMPUTER MODIFICATIONS FOR THE HANDICAPPED
West Central ECSU
120 S Vine Street
Fergus Falls, MN 56537
Laurie S. Satre
218-739-3273

A project created to teach handicapped students of any age or level new skills through the use of microcomputer programs that have been adapted or created for their needs.

MINNESOTA (cont.)

124
COMPUTERIZED LANGUAGE ANALYSIS
Department of Special Services
Central Administration Building
Lake Avenue and Second Street
Duluth, MN 55802
Cheryl Abramson
218-723-4150, ext. 252

A project to develop a microcomputer program that will score and analyze preschool-12th grade standardized language tests as well as store this information to measure students' future progress.

125
COMPUTERS AND THE MEDIA CENTER
Red Wing High School
4429 Ash Street
Red Wing, MN 55066
Richard Chase
612-388-7181

Overdues, inventory, a paperback catalog, lists and non-print are all part of the school media computer program.

126
DEMONSTRATION EVALUATION CENTER
Hopkins Public Schools
1001 Highway 7
Hopkins, MN 55343
Donald B. Sension
612-933-9230

This project uses microcomputers to establish an instructional management system that provides student data to teachers for classroom decision-making.

127
GREENVALE ELEMENTARY SCHOOL
Greenvale Elementary School
Northfield, MN 55059
Don Sward
507-663-0670

School programs in every subject use the media center as a coordinating link--it assumes both a teaching function and that of a facility for student use.

128
ISSUES IN NUTRITION
Issues in Nutrition
360 Colborne Street
St. Paul, MN 55102
Kathleen H. Stuart
612-293-7804

A program to assist students (grades 7-12) in increasing their awareness of good consumption patterns and other nutrition related issues.

129
MICRO-C IN-HOUSE COMPUTERS
Ortonville Public Schools
Box 247
Ortonville, MN 56278
Jay Ross
612-839-6181

A project to explore the feasibility and cost effectiveness of using microcomputers for administrative, financial and instructional applications at the school district level.

MINNESOTA (cont.)

130
MICRO-MATH-MAGIC
Hoover Elementary School
1524 Hoover Drive
North Mankato, MN 56001
Gerald D. Hansen
507-388-5202

A project to assist 4th grade students in math skill development. In this program the microcomputer is used as an extension of the 4th grade math curriculum.

131
MICROCOMPUTER MANAGED AUDIO SPELLING PROJECT
Education Administration Building
St. Cloud State University
St. Cloud, MN 56301
Doris Bower
612-252-9111

A project to provide spelling drills via microcomputer controlled audio cassettes for learning disabled students in grades 1-6.

132
MICROCOMPUTERS IN EDUCATION
Robbinsdale Area School
4148 Winnetka Avenue N
Minneapolis, MN 55427
Bill Heck
612-533-2781, ext. 291

A project to develop and test basic skills computer programs for use in elementary schools.

133
PROBLEMS SOLVING THROUGH STRATEGY GAMES
Maynard Public Schools
Maynard, MN 56260
Fred Nolan
612-367-2394

A project to develop strategy games to improve problem solving and math skills for the gifted and talented.

134
REACT--RECREATIONAL EDUCATION ALTERNATIVES CURRICULUM TECHNIQUES
REACT
9th and Vermillion
Hastings, MN 55033
Joe Boettcher
612-379-0428

Using a microcomputer, this project intends to disseminate information on student performance in physical education classes so that a student's achievement in conceptual and performance areas will receive appropriate emphasis.

135
ROSEMOUNT COMPUTER LITERACY PROJECT
Rosemount Computer Literacy Project
School District 196
1445 Diamond Path
Rosemount, MN 55068
Lee A. Droegmueller
612-423-4441

A project to promote computer literacy among teachers and students of all grade levels in the Rosemount School System.

MINNESOTA (cont.)

136
SECONDARY BASIC SKILLS DEVELOPMENT DESIGN
Central High School
800 Central Avenue
Duluth, MN 55811
Donna J. Mark
218-722-6343

This project provides individualized basic skill information to teachers and students in junior and senior high school for the purpose of sound educational decision making.

137
SCRAM--SUPPLEMENTARY COMPUTERIZED READING AND MATHEMATICS
Morgan Public Schools
PO Box 188
Morgan, MN 56266
Richard R. Quast
507-249-3106

A project to provide microcomputer access in various subject areas to K-12 students in rural settings.

MISSISSIPPI

138
COMPUTER CENTER
Warren County Schools
PO Box 429
Vicksburg, MS 39180
Larry Little
601-638-1513

A multifaceted effort which uses a network of 13 microcomputers to teach BASIC and FORTRAN programming to advanced students as well as to provide programs for remedial students. The computer system is also used in teaching home economics, business education and social studies in the high school.

139
THE GIFTED PROGRAM
Courthouse Annex, 3rd Floor
Meridian, MS 39301
Jo Van Devender
601-693-1683

A program for gifted elementary and secondary school students with emphasis on utilizing community resources in government, business, industry, the arts and communications.

140
LEADERS AND INTELLIGENT FUTURISTIC THINKERS
Moss Point School District
PO Box 727
Moss Point, MS 39563
Virginia Holliman
601-475-0946

A program for gifted upper elementary and junior high school students which emphasizes the development of effective thinking skills.

MISSISSIPPI (cont.)

141
MANAGEMENT OF RESOURCES TO ACHIEVE GOALS
Mendenhall School
101 Circle Drive
Mendenhall, MS 39114
Bettye Floyd
601-847-2621

A model computerized information retrieval system for Magee Elementary School designed to provide a personalized program in math and language arts.

142
PEAK--PROGRAM FOR ENRICHMENT OF ACADEMIC KNOWLEDGE
Central Office
Starkville Public Schools
Louisville Road
Starkville, MS 39759
Mary Shelton
601-323-6774

A program for middle and junior high school gifted students targeted at independent studies and activities.

MISSOURI

143
COMPREHENSIVE COMPUTER EDUCATION
Comprehensive Computer Education
1211 McGee Street
Kansas City, MO 64106
Tom Hartlev
c/o Jack Casner
816-363-4482

A project to provide comprehensive computer education in secondary schools by creating a computer literacy instructional unit and increasing the computer knowledge of math and science teachers.

144
MICROCOMPUTER EDUCATION
Microcomputer Education
940 North Jefferson
Springfield, MO 65802
Ed Rykowski
417-864-3747

A project to promote student and teacher computer literacy by developing and implementing appropriate curriculum materials and by providing training for public and non-public school teachers.

MONTANA

145
CLAMS--COMPUTERIZED LANGUAGE AND MATHEMATICAL SYSTEMS COURSE
St. Ignatius Elementary School
St. Ignatius, MT 59865
John Lee
406-745-2971

A project for the design and implementation of a computer literacy program for 6th-12th grade students.

MONTANA (cont.)

146
COMPUTER AGE CURRICULUM
Custer County High School
Miles City, MT 59301
Paul Stengel
406-232-3840

A project to develop a semester computer course for high school students. This program introduces students to BASIC and helps them gain an understanding of the computer.

147
COMPUTER EDUCATION
Denton High School
Denton, MT 59430
Paul Sorenson
406-567-2370

A project to teach 11th and 12th graders the BASIC computer language and other programming skills.

148
COMPUTER LITERACY IN THE SMALL SCHOOL
Wibaux High School
Wibaux, MT 59353
James Kimmet
406-795-2474

A project to acquaint Wibaux junior and senior high school students with small computers. This program provides hands-on experience in math, science and other curriculum areas.

149
COMPUTER PROGRAMMING CURRICULUM
Libby High School
Libby, MT 59923
Dan Waldron
406-293-6204

A program to assist 7th-12th grade teachers in deciding what are appropriate computer skills to be taught at each grade level. Project also intends to provide a resource guide of skills for grade levels.

150
COMPUTERIZED PROGRAM FOR SMALL SCHOOLS
Bridger High School
Bridger, MT 59014
Calvin Wall
406-662-3533

A microcomputer program that handles administrative functions such as cash flow, scheduling and attendance.

151
COMPUTERS IN THE CLASSROOM AND LIBRARY
Chinook Schools
Chinook, MT 59523
Pete Scott
406-357-2236

A newly funded project to provide Chinook High School students with hands-on computer experience in the areas of math, science and business.

152
CURRICULUM IMPROVEMENT THROUGH MODERN TECHNOLOGY
Plains High School
Plains, MT 59859
Jim Foster
406-826-3666

A project to expand the high school curriculum and promote computer literacy by making microcomputer programs available to students in the math, science and business areas.

MONTANA (cont.)

153
DEVELOPMENTAL READING LABORATORY
Developmental Reading Laboratory
Room 18, Main Hall
University of Montana
Missoula, MT 59812
Dick Cummins
406-243-5415

A program involved in software development for the teaching of reading and language arts via computers. Specific programs developed include those for sight word acquisition, reading fluency, word list tutorials and computer simulated reading.

154
HELPING BEGINNING READERS VIA MICROCOMPUTERS
Dillon Elementary School
Dillon, MT 59725
George T. Delaney
406-683-4311

A program for kindergartners and first graders for basic vocabulary development.

155
MICROCOMPUTERS FOR ELEMENTARY TEACHERS
Glendive Elementary School
Glendive, MT 59330
Ray Pelton
406-365-5293

A project to provide hands-on computer experience for teachers and students in grades 3-6.

156
MICROCOMPUTERS IN THE HIGH SCHOOL
Stevensville High School
Stevensville, MT 59870
Tony Tognetti
406-777-5481

A project to assist students in becoming computer literate and to promote consumer awareness of computers. Programs are in the math/science curriculum areas.

NEBRASKA

157
COMPUTER
Educational Service Unit No. 12
114 East 4th Street
PO Box 539
Alliance, NE 69301
Joan Kollars
308-762-1430

A project to enable teachers to become computer literate and acquire training for the teaching of computer skills.

158
COMPUTER LITERACY
Waverly Schools
PO Box 426
Waverly, NE 68462
Marven Rosen
402-786-2321

A program to allow junior high school students to become familiar with computers and their operation.

NEBRASKA (cont.)

159
COMPUTER UTILIZATION
Medicine Valley Public Schools
West Fifth and Crook Street
Curtis, NE 69025
Ronald R. Wall
308-367-4106

A project to promote computer literacy and computer utilization among students in the 4th-12th grades.

160
EDUCATIONAL SERVICE UNIT NO. 3
Educational Service Unit No. 3
4224 South 133rd Street
Omaha, NE 68137
James L McDowell
402-330-2770

A system-wide program involved in all aspects of microcomputers. Some present projects include teacher education, the creation of remedial reading programs, software development and software clearinghouse functions.

NEVADA

161
ADVANCED COMPUTER PROGRAM
Lowry High School
Box 831, Kluncy Canyon Road
Winnemucca, NV 89445
James C. Porter
702-623-2436

This program teaches academically talented students computer concepts as they relate to math, science, and business education.

162
COMPUTER SCIENCE PROGRAM
Douglas High School
Highway 88
Minden, NV 89423
Jim Chatfield
702-782-5136

This project provides students in two high schools with experience in computer applications and programming in math, science and social studies.

163
M^4 - MACHINES MOTIVATE MATH MASTERY
Ferron Elementary School
4200 Mountain Vista
Las Vegas, NV 89121
Roger Behring/Ken McKinley
702-451-1996

This project is designed to motivate 4th and 5th grade students in the operation strand of arithmetic. Speed and accuracy are emphasized in 4 skill areas.

164
MICROPROCESSOR VOCATIONAL TRAINING
Carson High School
Highway 50 East
Carson City, NV 89701
George Groth
702-885-6500

A project to train advanced electronics students in the installation, use and repair of electronic microprocessors.

NEVADA (cont.)

165
32-K COMPUTER
Lincoln County Schools
PO Box 118
Panaca, NV 89042
Neldon C. Mathews
702-728-4471

In this project, advanced or academically talented students learn computer program development. The computer is also utilized to increase math and science skills.

NEW HAMPSHIRE

166
COMPUTER AWARENESS PROJECT
Computer Awareness Project
Cornish, NH 03746
Peter Hutchins
603-675-5891

Computer literacy and software development are the focuses of this program for students in grades 3-5.

167
COMPUTER CLUB
Regional Center for Educational Training
45 Lyme Road
Hanover, N.H. 03755
Del Goodwin
603-643-5666

A 170 member computer club created for interested staff, students and townspeople. The club meets to discuss computer software and hardware and to sponsor student fairs and demonstrations. Seeking an active role in the community, the club lends microcomputers and, with some assistance from the University of New Hampshire, offers a college level course in BASIC programming.

168
NEW HAMPSHIRE YOUTH DEVELOPMENT CENTER
New Hampshire Youth Development Center
PO Box 303
Manchester, NH 03104
Florine Way
603-622-0791

An experiential reading program for delinquent teenagers who are Center participants.

169
PETERBOROUGH MIDDLE SCHOOL
Peterborough Middle School
Peterborough, NH 03458
David Gallagher
603-924-7105

Gifted and talented students develop software programs for slow learners. Programs are used for instructional reinforcement.

170
THE PHILLIPS EXETER ACADEMY
The Phillips Exeter Academy
Exeter, NH 03833
D.S. Taft
603-772-4311

A secondary school program for practice exercises in physics and chemistry.

NEW HAMPSHIRE (cont.)

171
PROJECT BASIC
Memorial School
Hudson, NH 03051
Cathy LaSalle
603-889-2104

A mathematics and science program for gifted and talented students in grades 5-8.

172
ST. PAUL'S SCHOOL
St. Paul's School
Concord, NH 03301
Norman L. Harvey
603-225-3341

Initial applications of developing micro capability are in color graphics, sound output and in interfacing to science lab experiments.

173
WINNACUNNET HIGH SCHOOL
Winnacunnet High School
Alumni Drive
Hampton, NH 03842
Bruce Carrier
603-926-3395

This two-tiered program focuses on a computer literacy semester for freshman--including programming, career awareness, history of computers, etc. Juniors and seniors may participate in a semester course on programming in BASIC.

NEW JERSEY

174
COMPUTERIZED CLERICAL REDUCTION SYSTEM
Computerized Clerical Reduction System
302 Elm Street
Westfield, NJ 07090
Jim Donovan
201-654-6400

This program features the use of computerization to reduce clerical and teacher time in charting individualized programs for handicapped students in preschool through 12th grade.

175
IMPLEMENTING A COMPUTER-SUPPORTED MATHEMATICS INSTRUCTIONAL MANAGEMENT SYSTEM THROUGH REMOTE SITE TELLECOMMUNICATION
Education Center
40 Malcolm Road
Mahwah, NJ 07430
Barrent M. Henry
201-529-5000, ext. 231

An extensive microcomputer program which is tied into a larger access network and serves as an instructional tool in mathematics for students in grades K-12.

176
INTEGRATING THE USE OF COMPUTERS IN SECONDARY MATH COURSES
Administrative Office
1506 Park Avenue
Asbury Park, NJ 07712
Jack DeTalvo
201-774-0888

A project to enable math students in grades 9-12 to have daily access to over 50 math programs in subject areas from applied math to calculus.

NEW JERSEY (cont.)

177
OXFORD CENTRAL SCHOOL
Oxford Central School
Kent Street
Oxford, NJ 07863
Horace Roland
201-453-2458

A project to develop programs for the gifted in grades 1-8 and to assist teachers with computer literacy.

178
A SYSTEMATIC APPROACH TO MAINSTREAMING SPECIAL EDUCATION SERVICES
Franklin School
Bergenfield, NJ 07621
Caroline Mossip
201-385-6958

A project to develop a management information system for mainstreamed handicapped students in grades K-12.

NEW YORK

179
COMPUTER SERVICES
Putnam/Northern Westchester BOCES
Yorktown Heights, NY 15908
Walter J. Koetke, Jr.
914-245-2700

The Computer Services component at this BOCES site maintains a microcomputer Resource Center which focuses on software acquisition and development. Consulting services in the acquisition of software and hardware are available to members of the 18 school district region. Additionally, inservice programs in computer use and applications are offered to teachers.

180
COMPUTERS-IN-SCHOOLS-PROJECT
New York Academy of Sciences
2 East 63rd Street
New York, NY 10021
Michael Tempel
212-838-0230

A joint venture of the New York Academy of Sciences and the New York City Chapter of the Association for Computing Machinery to introduce computers and promote computer literacy in the New York City Public Schools.

181
HALF HOLLOW HILLS HIGH SCHOOL EAST
Half Hollow Hills High School East
50 Vanderbilt Parkway
Dix Hills, NY 11746
Jerry Burke
516-549-6792

A network of 61 microcomputers and a software library used to provide hands-on and programming experience for both students (grades K-12) and teachers.

NEW YORK (cont.)

182
MICROCOMPUTER RESOURCE CENTER
Teachers College
Columbia University
New York, NY 10027
Karen Billings
212-678-3740

As part of the "Computing in Education" program at Teachers College this center provides consultation and field-based training to schools in integrating computers into the curriculum. Additionally, it serves as a clearinghouse for hardware, software and training information.

183
MICROSEED
Herkimer BOCES Planetarium
Gros Boulevard
Herkimer, NY 13350
Everett Carr
315-866-6040

A comprehensive computer lending program involving 13 schools which circulate 135 microcomputers among 15,000 4th-12th grade students. This program attempts to promote computer literacy and other special services for the community.

184
MUSEUM COMPUTER NETWORK, INC.
Center for Contemporary Arts and Letters
Library E-2340
State University of New York
Stonybrook, NY 11794
David Vance
516-246-6074

A cooperative association of museums which is developing the use of computers (some are micros) for inventory control and indexing collections.

185
PROJECT CHILD
Indian Point Elementary School
Kings Park Road
Commack, NY 11725
Dolores Shanaham
516-493-3431

A project to develop and use software for individualized learning in math and language arts for average, gifted and handicapped learners.

186
PROJECT CHILD
Timber Point Elementary School
Timber Point Road
East Islip, NY 11730
Ernest Codispoti
516-581-1600, ext. 245

A multifaceted project which includes computer literacy training and hands-on experience for elementary school students. Instruction is provided by high school students with teachers involved in software development.

NEW YORK (cont.)

187
SCIENCE DISCO
Herkimer BOCES Planetarium
Gros Boulevard
Herkimer, NY 13350
Everett Carr
315-866-6040

A project which uses an interactive videodisc microcomputer program to teach 3rd graders about weather as a part of the curriculum.

188
SOMETHING THAT WORKS FOR ME IN THE USE OF COMPUTERS, COMPUTER APPLICATIONS TO INSTRUCTION
Mathematics Unit
131 Livingston Street
Brooklyn, NY 11201
Marvin Itzkowitz
212-596-4434

A detailed listing of computer and microcomputer applications for 77 schools in the New York City area. Included in this list is contact person, type of hardware and program description. A copy may be requested from Marvin Itzkowitz at the given address.

NORTH CAROLINA

189
COMPUTER-ASSISTED INSTRUCTION PROGRAM
William Lenoir Middle School
332 Greenhaven Drive NW
Lenoir, NC 28645
E.D. Eppley/Tom Transou
704-758-2500

Nine microcomputers are used in grades 6-8 of Caldwell County Schools. Students use the computer center in conjunction with their reading, mathematics and gifted and talented classes.

190
COMPUTER-BASED INSTRUCTION
Wake County Public Schools
601 Devereux Street
Box 28041
Raleigh, NC 27611
Jean Johnson
919-755-6955

Students in grades 9-12 use microcomputers in the areas of mathematics and science. This effort includes use of programs developed in the system as well as commercial programs.

191
COMPUTER PROGRAMMING
Shelby High School
East Dixon Boulevard
Shelby, NC 28150
Mike Sisk
704-482-3409

This high school has four computer programming classes for grades 10-12. Students are learning to develop programs differing in complexity and subjects.

NORTH CAROLINA (cont.)

192
COMPUTERIZED ACCOUNTING OCCUPATIONS PILOT PROGRAM
North Carolina Dept. of Public Instruction
116 W. Edenton Street
Education Building
Raleigh, NC 27611
June Atkinson
919-733-7985

Seventeen North Carolina schools offer a pilot program, "Computerized Accounting Occupations I," for grades 10-12. The program uses microcomputers to teach computerized methods of processing accounting records.

193
HENDERSON COUNTY COMPUTER PROJECT
Henderson County Schools
Box 1700
125 East Allen Street
Hendersorville, NC 28739
Benny Hendrix
704-692-8251

All junior and senior high schools plus a computer center have microcomputers in the Henderson County Schools. Program covers computer awareness, computer literacy and the curriculum areas of math, science, business education and computer programming.

194
MICROCOMPUTERS IN THE CLASSROOMS
Wayne County Schools
301 North Herman Street
Goldsboro, NC 27530
Joyce Cunningham
919-736-1104

Microcomputers are used in grades 7-12 in the areas of computer literacy, computer programming and computer-assisted instruction.

195
NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS
North Carolina School of Science and Mathematics
1912 West Club Boulevard
Durham, NC 27705
Steve Davis
919-683-6664

Microcomputers are used by 11th and 12th grade students who are gifted in science and mathematics. Although the emphasis of the program is in these areas, microcomputers are used in other classes, e.g., music, American studies. The focus of microcomputers in this project is the use of the computer as a tool.

NORTH DAKOTA

196
NORTH SHORE PUBLIC SCHOOLS
North Shore Public Schools
Makoti, ND 58756
Dave McCormack
701-726-5591

One microcomputer in the elementary school (grades 1-6) is used for teaching students skills and games. At the secondary school level (grades 7-12) two microcomputers are used in math classes to illustrate concepts and in another class for computer programming.

OHIO

197
CHALLENGE: CHALLENGING THE GIFTED AND TALENTED STUDENT
Rocky River City Schools
Rocky River, OH 44116
Peter Metro
216-333-0860

A program for gifted and talented students in grades K-6 covering math and science.

198
CINCINNATI COUNTRY DAY SCHOOL
Cincinnati Country Day School
6905 Given Road
Cincinnati, OH 45243
Flower Hund
513-561-7298

This multifaceted effort has math programs for elementary and secondary school students as well as required computerized problem solving in Physics classes. The library has adapted Apple's File Cabinet Program for acquisitions and pre-order searching; bibliographies for heavily used topics are computer retrievable.

199
EXPANDED OPPORTUNITIES FOR SECONDARY LEARNING DISABLED STUDENTS
Ohio State Department of Education
933 High Street
Worthington, OH 43085
Kent J. Minor
614-466-4838

This program uses microcomputers with learning disabled students in grades 9-12. The focus is on basic skills in math, reading and language arts. Twelve separate school districts are involved in this program.

200
THE USE OF MICROCOMPUTERS FOR MATHEMATICS INSTRUCTION IN THE PRIMARY GRADES
Department of Education
Wittenberg University
Springfield, OH 45501
William H. Kraus
513-327-7101

This project has undertaken the development of 10-15 computer games to be used by primary grade students in mathematics. The program's content has been designed to cover the 10 basic skill areas identified in the National Council of Supervisors of Mathematics "Position Statement on Basic Skills". The programs will be field tested in the fall of 1981 and should be available in 1982.

OKLAHOMA

201
COMPUTERS ON THE ROAM
Clinton Public Schools
PO Box 729
Clinton, OK 73601
Steve Richert
405-323-1800

A supplementary math and science program for grades 10-12. The project goal is to provide students with the necessary skills needed for computer literacy. This is a cooperative effort among 4 school districts.

OREGON

202
HARRIET TUBMAN MIDDLE SCHOOL
Harriet Tubman Middle School
2508 NE Everett Street
Portland, OR 97232
Michael L. Grice
503-231-4996

This middle school has 2 separate banks of microcomputers that are used for CAI in mathematics,for teaching programming and advanced programming with "robotics", and for games to develop logical thinking, attention to detail, and sentence and punctuation skills.

203
MATH STIMULATION THRU ELECTRONIC MOTIVATION
McKay Creek
539 SW 44th Avenue
Pendleton, OR 97001
Gregory K. Holden
503-276-0432

Improvement of basic skills in mathematics is the focus of this program for 4th graders.

204
MICROSIFT PROJECT
Northwest Regional Educational Laboratory
710 SW Second Avenue
Portland, OR 97204
Judy Edwards
503-248-6800

A program to develop criteria and instruments for the evaluation of courseware as part of "The Computer Technology Program" for software and information at the pre-college level. Interested persons can receive the newsletter published by MicroSIFT.

205
PARRISH MIDDLE SCHOOL
Parrish Middle School
PO Box 12024
Salem, OR 97309
Curt Anderson
503-399-3210

A CAI program for middle school students in low level math classes. An after-school class in programming is available for all students.

206
NORTH CLACKAMAS SCHOOL DISTRICT
Milwaukie Elementary School
11250 SE 27th Avenue
Milwaukie, OR 97222
Lynne Gissel
503-653-3681

Through the media center students use simulations, do drill and practice assignments and are instructed in computer literacy.

OREGON (cont.)

207
SOUTH ALBANY HIGH SCHOOL
South Albany High School
3705 S Columbia Street NE
Albany, OR 97321
Tom Aspray/Mike McClendon
503-967-4522

Use of a microcomputer supplements textbook work and serves as a springboard for discussion of scientific principles. Further use revolves around tutorials, problem-solving and laboratory demonstrations in chemistry and advanced biology for students in grades 10-12. Additionally, skills and concepts in algebra are taught through a microcomputer software program. Project teachers design programs to meet remedial, refresher and advanced needs.

208
SOUTH EUGENE HIGH SCHOOL
South Eugene High School
400 East 19th Avenue
Eugene, OR 97401
Dirk Ten Brinke
503-687-3202

An effort directed at permitting high school students to analyze, almost immediately, data derived in laboratory experiments and classroom observations. It is anticipated that this use of a microcomputer will allow the instructor to design more science experiments based on data due to increased speed in analysis.

PENNSYLVANIA

209
ACCELERATING INDEPENDENT MATH STUDY
North Cambria School District
600 Joseph Street
Barnesboro, PA 15714
Irvan J. Bearer
814-948-5481

Math students (5th-12th grades) in public and nonpublic schools use computers for math study and computer literacy.

210
COMPETENCY BASED MATH LAB
Dover Area School District
East Canal Street
Dover, PA 17315
Dan Collins
717-292-3671

A program for students in grades 6-8 which uses computers in mathematics instruction.

211
COMPUTER AWARENESS IN MIDDLE SCHOOLS
West Chester Schools
320 N Church Street
West Chester, PA 19380
Sam Black
215-436-7106

A program for computer literacy covering grades 6-8.

PENNSYLVANIA (cont.)

212
COMPUTER AWARENESS TRAINING PROJECT
Wyomissing Area School District
Girad & Evans Avenues
Wyomissing, PA 19610
Peter Cellucci
215-374-4031

A program for computer literacy covering grades 8-12.

213
COMPUTERIZED LIBRARY MEDIA SERVICES
North Hills School District
53 Rochester Road
Pittsburgh, PA 15229
Dale E. McDonald
412-367-6044

Grades K-12 are provided with computerized library/media services.

214
MATH CLASSROOM LAB FOR INDIVIDUALIZED INSTRUCTION
Schuykill Intermediate Unit
420 N Centre Street
Pottsville, PA 17901
Ralph Morgan
717-622-3350

Individualized math instruction, using computers, is provided for students in grades 3-5.

215
MATH IMPROVEMENT LAB PROGRAM
Erie City School District
1511 Peach Street
Erie, PA 16501
Carl Minzenberger
814-871-6200

Program for math improvement in grades 6-8.

216
READING CONSORTIUM COMPUTER LITERACY
Reading School District
7th & Washington Streets
Reading, PA 19601
Jan Rhoads
215-371-5600

Program teaches computer literacy to students in grades 7-12.

217
SCHOOL DISTRICT OF PHILADELPHIA
School District of Philadelphia
5th and Luzerne Streets
Philadelphia, PA 19140
Sylvia Charp
215-229-9492

A K-12 program in which 70,000 students use microcomputers and time sharing for math, reading, guidance, science and business.

PENNSYLVANIA (cont.)

218
TECHNICAL SYSTEMS FOR ACADEMIC COMPUTING
Millcreek Township
3740 W 26th Street
Erie, PA 16505
Shelly A. Ford
814-838-4571, ext. 211

An effort for students in grades 9-12 to develop software programs for academic subjects.

RHODE ISLAND

219
CHARLESTOWN SCHOOLS
Charlestown Schools
Box 1
Carolina, RI 02812
Barbara Weldon
401-364-7716

An elementary school program in mathematics, reading and vocabulary for various groups--including gifted and handicapped.

220
COVENTRY HIGH SCHOOL
Coventry High School
Reservoir Road
Coventry, RI 02816
Raymond Reilly
401-821-4300

Seventy high school students in grades 9-12 participate in this program centered around mathematics and business education.

221
MATH SKILLS PROJECT
North Kingstown School Department
100 Fairway Drive
North Kingstown, RI 02852
Christian Cherau
401-294-4581

A CAI remedial math program for educationally disadvantaged students in grades 1-12 in six schools.

222
NEW ENGLAND COMPUTER SCIENCE LEAGUE
New England Computer Science League
PO Box 2417A
Providence, RI 020906
Marc Brown
401-863-3300

The New England Computer Science League, organized in 1978, holds monthly contests for high school participants and awards prizes to outstanding students and schools on local and regional levels. NECSL provides an opportunity for ongoing student involvement with computer technology. Over 80 schools, principally in New England, register for program participation.

RHODE ISLAND (cont.)

223
THE NORTH PROVIDENCE HIGH SCHOOL COMPUTER PROGRAM
North Providence High School
1828 Mineral Springs Avenue
North Providence, RI 02111
David Heinbecker
401-353-1830

Four hundred fifteen students participate in a program which includes remedial as well as advanced components. A section, "Topics in Math," is an introduction to programming while other areas are devoted to general mathematics and algebra for learning disabled students.

224
PONAGANSETT HIGH SCHOOL
Ponagansett High School
RFD 2
North Scituate, RI 02857
Patty Folsom
401-647-3677

A two-pronged effort in basic programming and mathematics for the gifted with a remedial math component in the planning stages.

225
VEAZIE STREET SCHOOL
Veazie Street School
211 Veazie Street
Providence, RI 02904
Joseph Almango
401-456-9410

For disadvantaged and LEP (Limited English Proficiency) students in one Providence high school and all middle schools. This CAI program focuses on remedial reading, mathematics, writing and problem-solving.

SOUTH DAKOTA

226
COMP-YOU-TERS FOR SOUTH DAKOTA STUDENTS
Watertown School District
Watertown, SD 57201
Pat Johnson
605-886-5851

A project that provides 18 South Dakota school districts with resources to teach computer literacy and provide computer extended instruction to 7-12 grade students in math, science and social studies.

TENNESSEE

227
ASSURE
Wayne County Board of Education
PO Box 658
Waynesboro, TN 38485
Grace Armbruster
615-722-3548

The target population of this project is the gifted and high risk student in grades K-12. The program is for teacher awareness of computer applications and for student supplementary instruction.

TEXAS

228
COMPUTER LITERACY IN THE JUNIOR HIGH SCHOOL CURRICULUM: A NECESSITY FOR SOCIETY
Austin Independent School District
1106 Clayton Lane
Austin, TX 78723
Lee Laws
512-451-8411

Program for developing computer literacy with junior high school students grades 7-8.

229
COMPUTER MATHEMATICS FOR MIDDLE SCHOOL STUDENTS
Nacogdoches Independent School District
PO Box 1521
Nacogdoches, TX 75961
James Partin
713-564-1106

Microcomputers are used to teach mathematics to 8th grade students.

230
DALLAS INDEPENDENT SCHOOL DISTRICT
Dallas Independent School District
3700 Ross Avenue
Dallas, TX 75204
Neal Nored
214-824-5251

The Dallas School System has five computer-based learning projects using 700 microcomputers. Projects are primarily in the areas of math, reading and bilingual education.

231
THE EFFECTIVENESS OF DEVELOPED MICROCOMPUTER PROGRAMS IN ALGEBRA WITH STUDENTS OF DIFFERENT ACHIEVEMENT LEVELS
Region XIII Education Service Center
7703 N Lamar
Austin, TX 78752
Joe Parks
512-458-9131

Computer assisted instruction for Algebra students in grade 9. Program examines effectiveness of different software programs.

232
HEALTH SCIENCE CENTER AT DALLAS
University of Texas
5323 Harry Hines Boulevard
Dallas, TX 75235
Bob Caldwell
214-688-2810

The center is involved in several projects to develop continuing medical education and allied health profession courseware for use with computers.

233
IRVING SCHOOL DISTRICT
Irving School District
820 O'Connor Road
Irving, TX 75061
Mary Lankford
214-259-4575, ext. 381

One microcomputer has been placed in the library of each of the 17 elementary schools in this school district. To date, commercial programs have been acquired for mathematics and spelling. A school team--the librarian, a teacher and often an administrator--participates in a training program conducted by the University of Dallas.

TEXAS (cont.)

234
THE LAMPLIGHTER SCHOOL
The Lamplighter School
11611 Inwood Road
Dallas, TX 75229
Sid Nolte
214-995-7012

MIT in cooperation with Texas Instruments has developed a prototype program for installation of LOGO. The program will be available for test marketing in the spring of '81. The Lamplighter School, a preschool--4th grade private school, has served as the site for project development. Some 50 personal computers are used by the students for LOGO. (Please refer to entry #106). A summer program served to train teachers in LOGO and its applications. The contact person for this project is at Texas Instruments.

235
A MODEL GIFTED AND TALENTED MATHEMATICS PROGRAM FOR GRADES 6-9 FOR CREATIVE PROBLEM SOLVING - G/T MATHEMATICS PROGRAM
Corpus Christi ISD
PO Box 110
Corpus Christi, TX 78403
Antonio Perez
512-888-7911

Program for gifted and talented students in grades 6-9. Focus is creative problem solving in mathematics.

236
PROJECT FOR IMPROVEMENT OF MATHEMATICS SKILLS
Region I Education Service Center
1900 West Schunior
Edinburg, TX 78539
Lauro Guerra
512-383-0731

A program using microcomputers in grades 1-6 to improve mathematics skills.

UTAH

237
WEBER COUNTY SCHOOL DISTRICT
Weber County School District
1122 Washington Boulevard
Ogden, UT 84404
Paul Fawson
801-394-8873

Grade levels K-12 use the computer as a tool. The program covers the history of computers, computer hardware and software, use of computer for analysis or problem solving and computer language.

VERMONT

238
BARRE TOWN ELEMENTARY SCHOOL
Barre Town Elementary School
RFD 2
Barre, VT 05641
Jean Stefanik
802-476-6617

This is a computer resource center which serves 1100 students in grades K-8. The resource center sponsors teacher education, hands-on computer experience for students and an after-school computer club for 5th graders.

239
COCAP
St. Johnsbury Correctional Center
St. Johnsbury, VT 05819
Daniel A. Florentine
802-748-8151

This educational program at the St. Johnsbury Correctional Center focuses on the development of vocational skills. Inmates build a computer and learn programming skills. Consultants have produced and implemented a computer assembly training program.

240
COMPUTER AQUISITION FOR WHITINGHAM SCHOOL
Whitingham School
Jacksonville, VT 05156
Connie Kimball/Lynn Pancake
802-885-5541

Students from grades 4-12 develop programs and run commercial programs in the areas of mathematics, science, social sciences, bookkeeping and the living arts.

241
THE COMPUTER AS A LEARNING TOOL
Park Street School
Springfield, VT 05156
Semah Unterman
802-885-5541

High schools students with the assistance of a consultant teach programming skills to gifted and talented 5th and 6th graders. Teachers have the opportunity to learn programming skills. Attention is directed at the development of programs for remedial students.

242
COMPUTER AWARENESS AND PROGRAMMING
East Montpelier Elementary School
Box 188
East Montpelier, VT 05651
Jeff Taylor/Wanda Wilbur
802-223-7936

This cooperative effort involves the use of a computer by two elementary schools (East Montpelier and Calais) for the purposes of developing computer literacy, creating career awareness and integrating programming into curriculum areas. An evening program in BASIC for adults was held on a weekly basis.

243
COMPUTER CHALLENGE PROGRAM
Middlebury ID No. 4
Middlebury, VT 05753
James Callahan
802-388-4421

All students in grades 3-6 learn programming skills in this project. Emphasis is directed at talented mathematics students.

244
COMPUTER LITERACY
Shelburne Middle School
Shelburne, VT 05482
Rachel T. Kelly
802-985-3331

Three diverse microcomputer applications form the core of this 6th grade program. The first is directed at increasing basic skills for remedial students, the second is oriented toward providing programming opportunities in simulations and problem solving for gifted students while a third administrative component is for Title I record keeping.

245
COMPUTER LITERACY AND CREATIVE PROBLEM SOLVING
Orange East Supervisory Union
Box 396
Bradford, VT 05033
Peter Richards
802-222-5216

Students in this project (grades K-12) develop programming skills with an emphasis on vocational training and academic integration. Teachers and students offer computer workshops through a regional educational center.

246
COMPUTER LITERACY IN CABOT
Cabot High School
Cabot, VT 05647
Diane Bentley
802-563-2289

Instruction in mathematics, science, business and social studies is supplemented through the use of student created computer programs. High school students who have designed programs then teach others to run the computer.

247
COMPUTER PROGRAMMING
Williamstown High School
Williamstown, VT 05679
George Bernier
802-433-5359

Eleventh and twelfth grade students learn computer programming and apply techniques to the development of or use of commercial programs in the areas of science, mathematics and business. This school also functions as a center for a six district networking effort concerned with software development and exchange as well as communication skills.

248
COMPUTER REMEDIATION
Lamoille Union High School
Hyde Park, VT 05655
Charles Kozora
802-888-4261

High school students are taught programming techniques by developing remedial programs in spelling and mathematics for junior high school students.

249
COMPUTER SIMULATIONS
Union 32 High School
RD 2
Montpelier, VT 05602
Leslye Teuber
802-229-0321

High school students use commercial programs and develop their own simulation programs for an array of science settings, e.g., population, life expectancy, photosynthesis and effects of alcohol.

250
COMPUTERIZED MINI-REFRESHER COURSES
Mt. Abraham Union High School
Bristol, VT 05443
Alice Allnett
802-453-2348

This effort is directed at teacher and student production of software programs for remedial work in mathematics.

251
FUTURIZING THROUGH COMPUTER AWARENESS
Newton Elementary School
South Strafford, VT 05070
David Webb
802-765-4351

A computer manual has been written for students in grades 5-8 to teach programming skills in all curriculum areas. Emphasis is directed at future applications of the computer.

252
HANDICAPPED COMPUTER NETWORK
Handicapped Computer Network
Essex Center, VT 05414
Jim Schumacher
802-878-5913

The "Handicapped Computer Network" is one component of a NSF grant awarded to the New York University Media Center. The thrust of this home-based Vermont installation is directed at vocational training and development for handicapped students and adults. Additionally, participants are exploring opportunities as a small business with an array of marketable services. The contact person's home telephone number is given.

253
HUMAN REASONING AND COMPUTER POWER
Stowe High School
Stowe, VT 05672
Fred Abraham
802-253-7229

High school students learn programming for a variety of curriculum areas as well as for remedial instruction. Graphics are taught and attention is directed at future uses of computers in relation to the quality of life and human values.

VERMONT (cont.)

254
MICROCOMPUTER STUDY
Stratton Mountain School
Stratton Mountain, VT 05155
Leonard Bugel
802-297-1886

Students in grades 11 and 12 use on-site microcomputers to develop software programs and to assemble hardware for the purpose of operating a computer datalink through telephone lines. The datalink permits computer use in the construction of interactive games, in data management programs and in ski racing competitions.

255
MICROCOMPUTERS: SOMETHING FOR EVERYONE
Stamford Elementary School
RFD 1
Stamford, VT
Leo Ethier
802-694-1379

Creating computer awareness on the part of a K-8 population is the focus of this program. Children are exposed to technology, its applications and some students learn to program. Two summer courses are offered for upper level students. The mailing address for this school is North Adams, MA 01247.

256
MINI-COMPUTER/MAXI-LEARNING
Essex Middle School
Essex, VT 05451
Ted Hall
802-897-7173

In this program for grades 5-8 experienced students teach programming skills to beginners. Programs involve science, computer electronics, mathematics and remediation.

257
SAM--SPACE AGE MATH
Fleming School
Essex Junction, VT 05452
Margaret Tanner
802-878-3902

An increase in mathematical and spelling skills are the focuses of this program for fifth graders. Programming skills are developed for selected students.

VIRGINIA

258
FAIRFAX COUNTY PUBLIC SCHOOL
Fairfax County Public Schools
10700 Page Avenue
Fairfax, VA 22030
Marvin S. Koontz
703-691-2155

The Fairfax County Public Schools are in the process of developing a K-12 computer literacy program that will be integrated into the existing curriculum. They expect to have approximately 200 microcomputers for student use in the schools by the end of February '82.

WEST VIRGINIA

259
AUTOMATED INSTRUCTION FOR MULTIPLE HANDICAPPED
Colin Anderson Center
St. Marys, WV 26170
Gordon Bourland
307-684-2441

A project to develop a computer assisted instructional program and delivery system for non-ambulatory, handicapped children at the facility. Learning experiences will be delivered via a remote terminal system to eight multiple handicapped children who currently do not possess adequate motor skills to reliably produce discriminatory responses to the simplest of stimuli.

260
CAM--COMPREHENSIVE ACHIEVEMENT TRAINING
CAM--Comprehensive Achievement Training
Route 2
Main Street & Lynn Avenue
Hamlim, WV 25523
Bonnie Lucas
304-824-5801

This project provides a computer-based instructional management system for high school students which enables an instructor to assess student strengths and weaknesses and provide appropriate instruction.

261
CASE--COMPUTER ASSISTED SERVICES FOR EDUCATION
CASE--Computer Assisted Services for Education
Route 1
Hambleton, WV 26269
Thomas W. Klus
304-478-2651

A project to promote student computer literacy as well as to upgrade the processing of records in the high school office.

262
COMPUTER ASSISTED DIAGNOSTIC-PRESCRIPTIVE
Computer Assisted Diagnostic-Prescriptive
327 River Drive
Webster Springs, WV 26288
Dan L. Shaver
304-847-5638

This project involves the administration of a criterion-referenced test, and use of a computer to help teachers develop an Individualized Educational Plan based on the test results. The project also provides for continual updating and evaluation of instructional activities and student progress.

263
COMPUTER ASSISTED SCHOOL MANAGEMENT
Ravenswood Middle School
409 Sycamore Street
Ravenswood, WV 26164
H. Linn McClain
304-273-5480

A project to train staff members and some students to utilize a computer to facilitate more efficient middle school management.

264
COMPUTER LITERACY
Brooke High School
RD 1
Wellsburg, WV 26070
David Walker
304-527-1410

A project to develop a computer laboratory to provide high school students with the opportunity to develop competency skills and knowledge in using the computer and to assess the impact of computers on our society. The laboratory will have an individual lab station for each student with a low cost microcomputer and common access to disc storage and printers.

265
MISSS--MANAGEMENT INFORMATION SYSTEM FOR SEARCH AND SERVE
MISSS--Management Information System for Search and Serve
50 Clary Street
Keyser, WV 26727
Robert D. Harman/Art Harrig
307-788-0788

A project to develop a Data Base Management System for Mineral County's Search and Serve delivery process. This system will lessen the current amount of paperwork required of teachers and administrators serving exceptional children as well as provide the various levels of management with pertinent and desired information.

266
SUMM--THE SCHOOL UNDER MICROCOMPUTER MANAGEMENT
Central School
475 Baird Street
Morgantown, WV 26505
William Biro, Jr.
304-292-8784

A project to determine the feasability and practicality of using a small scale microcomputer to aid in management and administration of school activities.

267
WALTON HIGH SCHOOL MICROCOMPUTER MANAGEMENT
Walton High School
PO Box 8
Walton, WV 25276
David A. Kinison
304-577-6734

The Walton High School Microcomputer School Records Management Program is designed to maintain all phases of school records as well as aid in the classroom learning situation.

WISCONSIN

268
ADAPTATION OF A COMPREHENSIVE COMPUTER PROJECT
Somerset Public Schools
Box 100
Somerset, WI 54025
Roger Myren
715-247-3311

This project is based on a program at the Nathan Hale High School in West Allis. The effort is directed at computer literacy through computer science classes, including attention devoted to programming, history of computers, computer careers, etc.

269
COMPUTER APPLICATION TO PROJECT PHYSICS
Racine Unified School District
2220 Northwestern Avenue
Racine, WI 53404
Jane Gordon
414-631-7079

In this project teachers in three high schools will use microcomputers as instructional tools in selected areas of physics. Students will become familiar with the limitations and capabilities of computers.

270
COMPUTER LITERACY FEASIBILITY STUDY
Madison Metro School District
545 West Dayton Street
Madison, WI 53703
Bernard Arenz
608-266-6019

A district-wide report on the status of computer literacy instruction in the schools revealed concentration directed at a minority of high school students. The subsequent project is focused on identification of one or more existing K-12 computer literacy programs for potential adoption in Madison schools. Lacking adoption, alternative means for implementing a long range plan for computer literacy will be considered.

271
A COMPUTER SUMMER CAMP ADAPTATION
Appleton High School East
2121 Emmers Drive
Appleton, WI 54911
Barry Bauschek
414-735-6209

This adaptation is modeled on the computer summer camp program in Orange, Conn. Students in grades 10-12 and teachers from public and private schools are acquainted with applications for computers and acquire minimal competence in BASIC programming.

272
SPECIAL EDUCATION DATA BASE MANAGEMENT
CESA No. 12
412 East Slifer Street
Portage, WI 53901
Paul L. Gudnlach
608-742-5513

A total of 14 school districts are participating in a computerized database management system to facilitate record keeping, follow-up and planning for handicapped students, grades K-12.

WISCONSIN (cont.)

273
STUDY OF POTENTIAL COMPUTER USE IN FIVE SMALL SCHOOL DISTRICTS
CESA No. 1
Box 439
Ashland, WI 54806
Fred Schlichting
713-682-2316

Five school districts in one Wisconsin county have expressed an interest in the use of computers in the educational process. Based on participant identified needs the study will make suggestions and recommend a plan of action for the acquisition of computer capability.

WYOMING

274
McCORMICK COMPUTER MATH PROJECT
McCormick Junior High School
6000 Education Drive
Cheyenne, WY 82001
Ken McClure
307-635-4283

A diagnostic, prescriptive mathematics program for all junior high school students entailing a separate section for accelerated students.

DISTRICT OF COLUMBIA

275
CAPITOL CHILDREN'S MUSEUM
Capitol Children's Museum
800 3rd Street, NE
Washington, DC 20002
Ann Lewin
202-544-2244

The museum's displays include several innovative uses of microcomputers. Two examples are a microcomputer weaving project and an interactive metrics game. A major communications exhibit which includes a computer section is being prepared for opening in mid-1981.

TEXAS

276
COMPUTER BASED INSTRUCTION
Region IV Education Service Center
PO Box 863
Houston, TX
Patricia Sturdivant
713-868-1051

One component of an educational service center which provides a wide array of instructional support services to 54 independent school districts. This network uses a range of hardware; including over 500 tymsharing terminals, 600 Apple II microcomputers.

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